

El Paso IT Demo Site  
Briefing  
JV conference 2007  
WBAMC  
ELPVAHCS



# Computer Systems/Electronic Communication



**DoD System:** Composite Health Care System I and AHLTA

**VA System:** Computerized Patient Record System(CPRS) / Veterans Health Information Systems and Technology Architecture (VistA).

## **Initiatives:**

- Demonstration Site Project
  - LDSI
  - BHIE
  - LDSI (PH III) AP & Micro
  - Radiology Imaging Transfer (Awaiting Approval)
- Scanning Project
- Site to Site
- Clinical/Health Data Repository (C/HDR)



# LDSI Data Flow



Vista/CPRS

Dr. Places Orders

Collection

Reference

Receive

List

CHCS Legacy

ing

Enter Results

TEST,PATIENT SSN: 000-00-0130 LOC: OPT  
Pat Info: Sex: MALE Age: 75yr as of Jul 28, 2005  
Provider: GIORDANO,FRANK L Voice pager:  
Phone: 564-6159 Digital pager:

ACCESSION: SEND 0727 153 SEND 0728 450  
WBAMC 7/27 10:13d 7/28 12:58d  
CORTISOL 44.5 44.4 ug/dl

COMMENTS: ~For Test: CORTISOL  
COMMENTS: ~PM  
COMMENTS: INTERPRETATION(S): AM SERUM (7-9 AM) 6.7-22.6 ug/dl  
COMMENTS: PM SERUM (3-5 PM) <10 ug/dl

SELECT ('C' for Comments, 'W' Workload):  
Approve for release by entering your initials: GR

====  
Certify, File or Edit Results or Quit E/R C  
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And when it is certified, it is automatically sent to you.  
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Ver

Genera

# VA/DOD Digital Imaging (Radiology) Interoperability Project

- Allows all primary care clinicians and all specialty clinicians in the El Paso MHS ambulatory care clinics and on the inpatient wards the ability to view non-diagnostic quality images.
- Allows all primary care clinicians and all specialty clinicians in the El Paso VA ambulatory care clinics the ability to view non-diagnostic quality images.
- What Images will the clinicians be able to view:
  - Clinicians at either a medical facility will be able to view shared patient radiological images (CT, CR, DR Phase I and MRI Phase II).
- The digital Imaging project will use existing BHIE/FHIE technology to provide patient data correlation.
- Ownership of patient images will not be transferred.
- Images will be cached on local servers for speed of retrieval.



# Bi-Directional Health Information Exchange (BHIE)



- **BHIE components:**
  - **VA CPRS Remote Data View (Reports Tab)**
  - **Secured Health Care Alliance Record Exchange (SHARE - DoD Application)**
- BHIE Phase I allows DoD Healthcare Providers and VA Healthcare Providers access to an interface for viewing and exchanging of Allergy and Prescription data.
- BHIE provides a Simple Objects Access Protocol (SOAP) interface to CHCS that allows the VA to retrieve Allergy and Prescription data on shared patients.
- BHIE provides the SHARE Web Application that can be accessed by DoD Healthcare Providers and will allow the providers to view the following data elements:
  - **Demographics**
  - **Allergy**
  - **Prescriptions**
  - **Laboratory Results**
  - **Radiology Studies**



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# LIVE DEMO